

NO CODE PROPOSAL RELEASED!

The FCC released two alternate no-code proposals Thursday, January 20th. The first would merely delete the 5 wpm requirement for the Technician license. The second would establish a "Digital communicator's" license similar to the Canadian one.

Neither proposal would allow operation below 50 MHz, since "code serves an important purpose below 30 MHz" according to the FCC. The licenses would "confer all operating privileges allowed above 50 MHz". It is the FCC's belief that "Code is rarely used above 50 MHz", but "code-less class licensees may develop an interest in code, just as code operators may now develop interests in other operating modes."

The Commission will be accepting comments for at least the next 90 days. However, comments should not be filed until the NPRM docket numbers are known, and the 90 day clock does not start until the NPRM is published in the Federal Register. Expect more on this subject, including information on filing comments, to be covered at the club meeting February 4th, and in this newsletter.

ANCHORAGE ARC

"THE VOICE OF THE ANCHORAGE AMATEUR RADIO CLUB"

Post Office Box 101987 Anchorage, Alaska 99510-1987 (907) 345-0719
Note New PO Box # ? February 1983

Activities for the Month

Courtesy of the club activities manager, KL7PQ

February 4: General club meeting in **NEW LOCATION**. ACC Amphitheatre at the SW corner of the ACC campus (Building K). Starts at 7:00 pm with talk-in on 146.34/94. Chuck Van Ormer of the Anchorage Search and Rescue Council will speak.

February 11 - 13: IditaSki 195 KM cross-country ski race. We will be assisting communications. See Kirsten, KL7PQ for details.

February 16: Board meeting, Alascom building at 7 pm.

February 18 - 20: Fur Rondy World Championship Dog-sled races.

February 19: Club social at Sorrento's about 5:30 pm. Good chance to relax after a hard day at the races.

Each Mon Wed Fri: K1ZAT provides code practice on 147.51 MHz, starting at 8:00 pm local. Speed runs from 9 to 20 wpm.

"The Voice of the Anchorage ARC" is published monthly by the AARC to further the cause of amateur radio as a hobby and public service. Subscription is available through membership in the AARC. Articles and photos are encouraged from all readers, and permission to reprint is granted with proper credits. Thanks are due to the newsletter staff: KL7VF, assistant editor; KL7IPV, KL7ZR, KL7SK and his YL for typing; KL7SL and KL7WM for mailing; AL7CN for mailing labels; and all the contributors to this issue.

ANCHORAGE AMATEUR RADIO CLUB
STATEMENT OF FINANCIAL OPERATIONS
12/16/82 TO 1/19/83

INCOME	AMOUNT
1005 - Other (\$638 interest; balance Christmas party fees)	1078.89
1009 - Newsletter Advertising	<u>5.00</u>
Subtotal	1083.89
EXPENSES	
2004 - Telephone	66.40
2005 - Mailing	55.00
2006 - Newsletter/Printing	502.44
2007 - Licenses/Fees	94.00
2013 - Equipment Purchase (34/94 controller)	2848.00
4001 - Donations (UAA Scholarship)	<u>250.00</u>
Subtotal	3815.84
NET INCOME (LOSS) FOR PERIOD	(2731.95)

ASSETS	BEGINNING BALANCE	ENDING BALANCE
CASH		
101 - Checking Account	414.57	42.96
107 - Money Market Account	<u>20935.98</u>	<u>18575.64</u>
SUBTOTAL	21350.55	18618.60
150 - Equipment	9197.52	12045.52
LIABILITIES		
201 -	-0-	-0-
EQUITY		
301 -	30948.07	30664.12
AVAILABLE CASH	9350.55	6618.60



ANCHORAGE AMATEUR RADIO CLUB
GENERAL MEETING
JANUARY 7, 1983

Bob AL7AW called the meeting to order at 7:10 pm, then explained the procedure for electing the AARC "Ham of the Year." Ballots were passed out, collected, and counted. It was later announced that the Ham of the Year is Kirsten Peterson KL7PQ.

Kirsten gave an update report on the Iditarod. She has 5 checkpoints, 4 people to fill them, but wants 2 alternates just in case. Wilse KL7CQ will be in charge of headquarters at CAP. In a similar vein, Kirsten asked for volunteers to help the MatSu Club with the Iditaski cross country ski race.

AL7AW reported that Fred KL7HM is leaving for Australia and a replacement is needed for the remainder of the term. Fred Wegmer KL7HFM volunteered to help out.

Doug Dickinson KL7IKX explained the problems with the 34/94 controller and described a replacement for it. It was moved and seconded that the club purchase the RC850 controller with rack mount, phone patch, front panel control display, and voice module for \$2848 plus shipping. The motion carried.

Life members #68 Art Taylor KL7SK and #69 Bill Capers AL7BB were approved by the membership.

KL7SK reported to the club on the rental of the Old Marketplace for next year's Fleamarket. Due to the amount of time and money involved in this particular site, it was moved, seconded and passed that we look for another site.

The evening's program was presented by Wilse KL7CQ. He spoke on the Civil Air Patrol and the need for volunteers.

The World Cup Ski Race to be held on March 19th and 20th at Kincaid Park needs volunteers to provide communications.

Following drawing for door prizes, the meeting was adjourned at 9:46 pm.

Respectfully submitted,

Lance Dunbar AL7BK Acting Secretary

and

Denise Slauson KL7VF Secretary

ADDITION TO THE DECEMBER GENERAL MEETING MINUTES: Betty KL7AP was given a plaque of appreciation for her service to the club as past president. The plaque was awarded at the annual Christmas party.

ANCHORAGE AMATEUR RADIO CLUB
BOARD MEETING
JANUARY 19, 1983

Present: President Bob McKinnie AL7AW, Vice President David Epstein KL7LO, Secretary Denise Slauson KL7VF, Treasurer Fred Toliver KL7HM, Treasurer Designate Fred Wegmer KL7HFM, Activities Manager Kirsten Peterson KL7PQ, Past President Betty Rhodes KL7AP, Trustee Bill Reiter; Board Members April Walter AL7CV, David Cloyd KL7M, David Stevens KL7EB, Tim Pettis KL7WE, Frank Bowlin WL7D, Glenn Turner AL7DN, Art Taylor KL7SK, J. D. Delancy KL2AT, Mark Hadley KL7HD. Also Present: Bryce Rumery AL7DL, Dan Stevens KL7WM, Doug Dickenson KL7IKX, John Stechman KL7SN, Steve Wilcox KL7JIM, Ken Slauson WB7SFO.

The meeting was called to order at 7:10 pm. The minutes of the last board meeting were read and approved, as was the treasurer's report.

A round of thanks was extended to Fred KL7HM for his service to the club during the past two years. Fred Wegmer KL7HFM was introduced as the treasurer designate. He volunteered to fill the rest of KL7HM's term.

Bill KL7ITI reported that the club license has been approved for another 5 years, with everything remaining the same.

Kirsten reported on our search for a club meeting place. ACC will send confirmation of our reservation of their amphitheater on the first Fridays in February, March and May, and the second Friday in April. If we choose not to use this site, we must use one of the rooms at UAA. The board decided that the club should use the ACC location. Therefore, the April general meeting has been rescheduled to April 8th.

David KL7M said that calls have been made to Glennallen about the repeater, but he has been unable to contact the responsible party on their side... the 22/82 crystal will be coming soon and that repeater will be up shortly... the link to Minchumina will be operational soon.

Doug KL7IKX reported on the new 34/94 controller. The control codes and schematics are here now. The new phone patch and autodials will work differently from the present ones. Instructions will be printed in the newsletter. We will have 39 mailbox locations — these will be published in the newsletter also. An expansion chip to give additional mailbox locations will be available mid-summer. The board decided to defer until after the controller is in use the issue of distribution of autodial locations in a fair manner. The controller should be here no later than the second week in February.

Fred KL7HFM explained that our liability insurance expires on the 3rd of March. It will cost \$390 to renew. The board approved his request to renew the policy.

KL7HFM also said we need to establish a policy of accounting for club property. Art KL7SK volunteered to help do the count. Bob AL7AW requested that board members draw up lists of any equipment they can think of that the club owns, and where that equipment is currently located.

Frank WL7D has resigned from the board due to change of job and location. It was moved, seconded and passed that we recommend Steve Wilcox KL7JIM to the general membership to fill the position for the rest of the term.

David KL7LO announced that KSKA radio is willing to air public service announcements for the club, and is interested in having us do a 10-15 minute "talk show" each month. Mark KL7HD will handle the matter.

AL7AW briefly discussed Roberts' Rules of Order, with emphasis on a motion for calling for the question. He stated that anyone in a group such as ours should own a copy of Roberts' Rules of Order.

Herb Rosenthal AL7G has parts for an autopatch controller. The board discussed places to put it once it is built. WL7D will call him to see what can be done.

J.D. KLZAT noted that Betty KL7AP received her plaque of appreciation at the December general meeting. This will be noted in the February newsletter as an addition to the December 1982 general meeting minutes.

AL7AW mentioned that we need a show of appreciation for Kirsten KL7PQ, our Ham of the Year. Research will be done on getting a gold pan with antenna emblem similar to the one given last year.

It was moved, seconded and passed that we buy the Spectrum 1000 220 MHz repeater. The cost is \$2354.85, 50% to be paid in advance. J.D. will take care of the purchase.

Ken WB7SFO announced that the winter Special Olympics will be held February 5th. He will be coordinating AARC communications involvement for the event.

The meeting was adjourned at 9:25 pm.

Respectfully submitted,

Denise Slauson KL7VF
Secretary

A YL's Point of View

At the January general meeting, I was honored to be voted "Ham of the Year". One thing I have greatly appreciated from every ham I've met is the supportiveness and encouragement I have always received. The "Ham of the Year" award means a lot to me, and I will continue to do my best to serve the club and the ham community. Thank you for all your support.

On a different note, I am -- once again -- up on HF, thanks to the efforts of Larry Walters KL7IWC. Now it's time to live up to my New Year's resolution to spend more time on the air. One of the next things on my shopping list is some QSL cards. No, I haven't run out of my first order; I never acquired any to start with. I was rewarded with a stare of amazement and then a slow headshake from Larry when he heard this bit of news. In my defense: I'm working on it, slowly maybe, but I'm working on it.

**1983 Anchorage ARC Ham of the Year
Kirsten Petersen, KL7PQ**

This year's "Ham of the Year" award went to the well deserving Kirsten Peterson KL7PQ, at the January meeting. **CONGRATULATIONS, KIRSTEN!!**

To complete this article, some research was needed. Presented with 2 years of the Anchorage ARC newsletter by Bob McKinnie AL7AW, I embarked on this project.

After plowing through the stack, I was amazed. The first mention of our "Ham of the Year" was in August 1981. She must have been a new member at the time, as she was listed as "Kirsten Petersen KL7???". Further rummaging through the newsletters informed me that she has served on the audit committee, began "A YL's Point of View" in October 1981, and in June 1982 was elected to the position of Activities Manager. She has participated in the ACC Arts Fairs and the Fur Rondy races, filled the Koyuk Iditarod check point last year, assisted at the Mother's Day booth, various races and walks, golf tournaments, contesting, coordinated the 1982 Christmas party, and much much more. She is also gaining expertise in climbing antennas.

She is currently coordinating trail communications for the 1983 Iditarod and IditaSki races. A major task indeed!

Well, one can get only so much information from newsletters. I had to have a different method of research and what better method than to go to the source herself.

In between bites of liver and onions our Ham of the Year advised me that she has lived in Alaska for 15 out of her 21 years of existence. She is currently employed by the Anchorage Daily News as an Administrative Assistant in the circulation department.

Her ham history includes formal training under Headmaster Morgan KL7CQ. Six weeks later she successfully completed the exam and was licensed, effective August 1981. She now has a Kenwood 7730 2-meter mobile unit and a Kenwood 530 HF station with a multi-band dipole antenna.

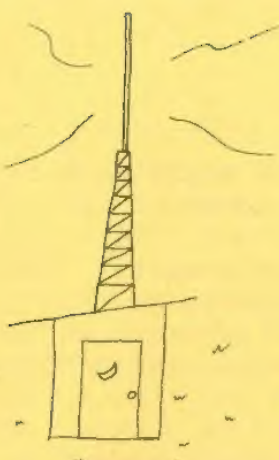
The "Ham of the Year" award is our way of saying thank you for all the assistance and devotion Kirsten has provided to the Anchorage ARC during her ham life. Thank you Kirsten and again, congratulations.

Kathryn Engle
KL7ZR

Polar Amateur Radio Klub of Alaska

The PARKA's will hold a pot-luck salad luncheon on Saturday February 5th at 1:30 pm. It will be held at Eve Wegmer's QTH (1910 Rosemary, 274-3464). All interested YLs and XYLs (Ed. Note: is any lady ever an ex-YL?) are cordially invited to attend. A brief, impromptu gathering of PARKA will be held during the break at the AARC general club meeting on Friday February 4th. For more information, contact Eve, or Margie Page KL7GLU.

Congratulations to Jim NL7C and Cathi KL7NR Moody, parents of Tasha Nicholl born October 25th.



THE REPEATER REPORTER

by WL7D

Frank

After four months of QRT, the Repeater Reporter returns to maintain a regular monthly article for your reading enjoyment. Hopefully, the article will continue to serve a purpose as this year looks to be very busy on the repeater scene.

The biggest news, of course, is the purchase of the new "cosmic wiz-bang" repeater controller/autopatch/clock/computer/thermometer/deviation meter/S-meter/post office/message center... thing for 34/94. It is hoped to be in place for the Fur Rondy, but will certainly be operational before break-up. As the drama (and functions) unfolds, I'll try to keep everyone up to date, but for now, look for the immediate details elsewhere.

Progress on "The Link" has been slow, but definite in the last few months. The 16/76 machine is alive and well in Bird Creek and providing coverage down that way. For rather esoteric reasons, the signal from Lake Minchumina will now be relayed to 90/30 by a UHF link here in Anchorage. The equipment exists and is reportedly still being repaired by KL7BB with all the time he has now down in Sitka. At last, KL7M will be putting the club's 22/82 Micor machine on the air at his QTH with a commercial autopatch of his as an interim measure to prove some techniques and to put the equipment back into service.

Hot flash for two-meter weak signal enthusiasts: KL7WE/B is operational nearly aways on 144.055. Give a listen and send Tim some reports. The beacon has already been heard in Illiamna by KL7IUJ. (The beacon is only three watts to the antenna and that's a distance of about 200 miles!) Also, KL7IKV in Anchorage has worked KL7NO in Fairbanks who worked VE8BY in Yellowknife. And even going higher and farther, Tim KL7 "Wild Echo" Pettis has just received his WAC (Worked all Continents) on 432 MHz (Willie Oscar Willie). All of that is some pretty impressive stuff. Those of you with mode switches on those expensive two-meter rigs might give a listen. There's also a net every Monday at 1930 local on 144.200 USB.

That's enough for this month. If I tell you everything now, you'll not look forward to the next episode in the continuing saga of the Repeater Reporter.

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"What's that funny beeping mean?"

Well... Yes we're fixing the dit dits on 94, and we're doing it right. We're changing the entire microprocessor and gaining benefits in the process.

First, the new emergency auto-dialer will contain 10 emergency numbers. The controller will respond in voice with the particular emergency service (ie. "911", "Fire", "APD", "AST") that you've dialed. No further action is required to complete the call. The 911 access will remain 911, the operator will be 910, and the other emergency numbers will be 912 through 919.

Another feature of the system is the ability to store 88 phone numbers as "auto-dial" numbers. They could be members' home phone numbers, or other often called personal numbers. These numbers are accessible with a three digit code. ATU information may be accessed as *10, someone's home phone could be *45, and so on. After you identify and dial the code, the repeater will read back the two digit location for verification. Click your mike to complete the call. If you wait for 1.5 seconds, the system will read back the phone number stored in that location. If it is correct, click your mike briefly to make the call. If you do not respond, or if you enter another tone anywhere in this sequence, the call will be canceled.

The regular auto-patch works the same way. To access it, identify in the usual manner ("KL7AA repeater, this is callsign accessing autopatch"). After this, enter the access code (*) and the phone number in one continuous transmission (ie. *344-7612). **DO NOT** release your PTT after the access code. The controller will assume it has heard the entire command when your carrier goes away, and it will try to execute just the * command. There is a built-in dial tone detector, so the computer doesn't even pick up the phone until it has received and confirmed the complete number you want.

When you are done with the patch, clear it with a # command, and give the usual "KL7AA repeater, this is callsign, autopatch clear." The controller will respond "**Call complete at time on date**". If you wish to redial the last number dialed, use the command ** after you give your ID.

Remember that if you want to stop someone on the phone from making a comment not appropriate for the air, key your mike. This forces his audio off the air, and puts your audio on the phone so you can tell him to watch his language or disconnect the patch.

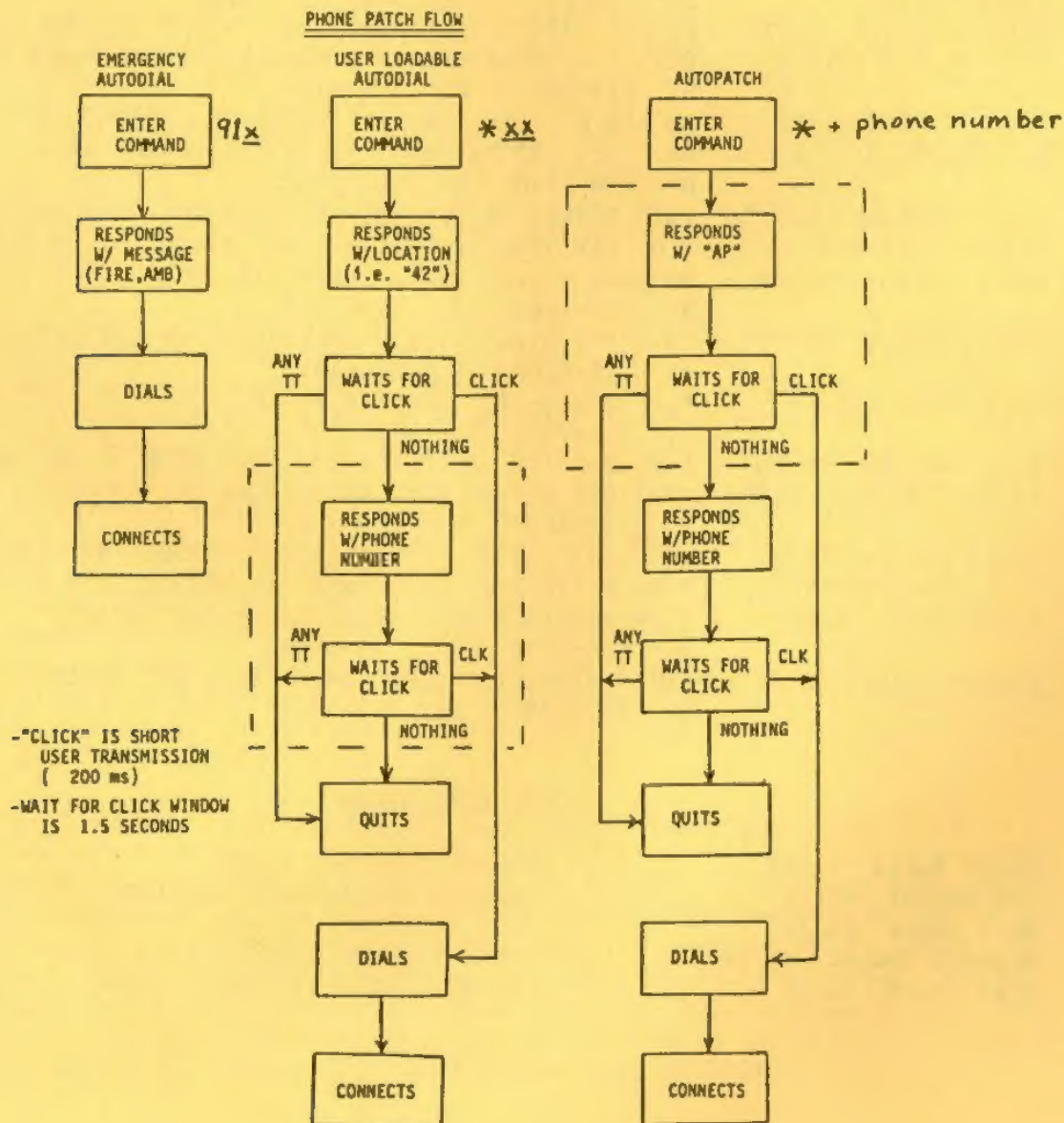
There are currently 38 reverse patch and mailbox locations. These will be expanded to a total of 90 locations soon. These locations will allow you to leave short messages for holders of these locations. Messages are pre-programmed, and include things like "Call me tonight", "Remember the meeting", and so on. These messages will have the time automatically added to them. When the repeater is not otherwise occupied, it will list the stations with traffic waiting. Locations 00 through 22 are set aside for Control operators, club officers and board members, and the smoke test message. Locations 23 through 39 (eventually 89) are currently unassigned.

Reverse Patch/Mailbox Locations

300	KL7ITI	Bill Reiter	Trustee	312	KL7PQ	Kirsten Petersen	Activity
301	KLZAT	JD Delancy	Control	313	KL7AP	Betty Rhodes	Board
302	AL7DL	Bryce Rumery	Control	314	AL7CV	April Walters	Board
303	KL7QS	Martha Neeley	Control	315	KL7M	Dave Cloyd	Board
304		Smoke Test Message		316	KL7EB	David Stevens	Board
305		Transient VIP visitor		317	KL7WE	Tim Pettis	Board
306	KL7IMD	Jim Hilton	Control	318	KL7JIM	Steve Wilcox	Board*
307	KL7IKX	Doug Dickinson	Control	319	KL7SK	Art Taylor	Board
308	AL7AW	Bob McKinnie	Pres.	320	AL7DN	Glenn Turner	Board
309	KL7LO	David Epstein	VP	321	KL7HD	Mark Hadley	Board
310	KL7VF	Denise Slauson	Sec'ty	322	WB7SFO	Ken Slauson	Editor
311	KL7HFM	Fred Wegmer	Treas.				

Auto-patch Operation Diagram

Note: This isn't as complicated to use as it looks. Just key your mike briefly to confirm the number the controller reads back, and you're all set. Also remember that your transmissions override the phone audio, permitting you to admonish your party about his language, or terminate the patch.



ROSTER CHANGES

Michael Peterson	add zip 23321
Harold Gilley	7013 Saturn Circle Anchorage, AK 99504
Stanton T. Wilson	is T. Stanton Wilson
Frank Bowlin WL7D	W: 338-6003
Peggy Don AL7CY	W: 243-1987
Margie Page KL7GLU	W: 267-1278
Bill Everett KL7VS	1422 Orca Anchorage, AK 99501 (from 99506) H: 272-6866
Bonnie Hazlitt WL7AQF	
Chris Hazlitt KL7FB	4777 Wright St. Anchorage, AK 99507
Walter Neeley W5AHO	W: 267-4383
Terry Rogers KL7HK	W: 344-0152
Fred Toliver KL7HM	7 Ryan Street Bendigo Victoria 3550 Australia
Ghee Fry WL7C	4560 Drake Street Fairbanks, AK 99701

ADDITIONS

Wayne Bettis KA5LEU	21-662B Apricot Anchorage, AK 99506
	H: 753-9422 W: 552-3341
Howard Burkher KL7DQ	341 West 11th Anchorage, AK 99501 H: 277-1244
Leroy Davie	1690 Nesbitt Deltona, FL 32725
Patrick Moore AL7L	PO Box 73301 Fairbanks, AK 99707 H & W: 456-7996
Dean Shutte AL7CR	8220 East 19th Circle Anchorage, AK 99504
	H: 338-3807 W: 263-4674
Francis Soltis KL7UQ	PO Box 6 Chugiak, AK 99567 H: 688-2896
S E Thomas Jr. AL7BG	SR 2 Box 135 Marcus Eagle River, AK 99577
	H: 694-3570 W: 863-8100
Frank VanZant KL7IBA	1815 Bunker Anchorage, AK 99503 H: 22-3101 W: 272-2401
Victor Williams	P.O. Box 3130 Anchorage, AK 99510 H: 338-6938
Bob Frutchey KL7XW	30-383E Cherry Drive EAFB, AK 99506
	H: 753-1467 W: 552-5145
Paul Jendryk WB3KTY	1027 Nelchina St. #1 Anchorage, AK 99501
	H: 274-0140 W: 276-1313
Bill Moore KL7UU	P.O. Box 8-582 Anchorage, AK 99508
	H: 344-7841 W: 279-1527
Myron Mickey KL7MO	P.O. Box 120 Anchor Point, AK 9956 H: 235-7962
Laron Pederson KL7MC	4001 Old Seward #5B Anchorage, AK 99503
	H: 274-4684 W: 279-1090
David Rogers KL7ZI	P.O. Box 3-398 Anchorage, AK 99501 H: 333-6473
Victor Smart WL7AWU	1509 Wolverine Anchorage, AK 99504 H & W: 333-5088
Clark Sann AL7EK	5514 Ronald Place Eagle River, AK 99577
	H: 694-5236 W: 265-6441
Kathryn Engle KL7ZR	10179 Nantucket Loop Anchorage, AK 99507
	H: 349-4294 W: 274-1511

NEW CALL SIGNS

Barry Yates KL7WA	Cheryl Chesbro KL7ZS
Jim Bender KL7ZV	Beverly Faultersack WL7AXI
Barb Shive KL7ZH	Mark Kelliher WL7AHX
Richard Leshar KL7ZM	Linda Turner KL7ZB
Bill Caton KL7VU	Kathryn Engle KL7ZR

A Personal History of Amateur Radio

Part 1

"Do you need all that wire?"

by KL7IPV -- Frank Drake

This is the first of my attempts at a series telling of my growth in amateur radio since 1953. I'm not a writer, but I felt that my past experiences might help others realize that genius is not required to enjoy amateur radio, only a desire.

My involvement in amateur radio started in August of 1953. I was thirteen then (forget the calculators folks, I'll be 43 in February!) and just going into high school. Amateur radio was not even a glimmer of an idea with me then. I have always had a radio of some sort around, though. My radio activities were limited to listening to Los Angeles DJ's or tinkering with a crystal set. Girls were starting to become very interesting then (not to be part of this series!).

As school started, I found that the size of the school required a lot of walking to get from class to class. One fateful day, I walked past a class room occupied by a history class. The noise that I heard coming from the class was definitely not history! It was not anything I was familiar with.

It was lunchtime, so I sauntered into the classroom and found the teacher, Mr. Dickhart, and three or four students huddled around a desk in a darkened corner of the room. The desk had two strange looking radios on it surrounded by wires and other weird paraphernalia. I recognised one radio as a shortwave receiver, a Hallicrafters "SX-something or other"! The other was an Elmac transmitter, that I was told was an AM transmitter. Until that time "AM" was the abbreviation for "early morning". I was about to be smitten and learn! I often returned to that room for lunch and got my first taste of the well known "antenna party!"

On a designated week-end, about six of us hardier souls and the teacher, were to put up a better antenna. The antenna was to be wire strung between two masts made of two by four wood boards. Oh yeah, I could just see me putting up wood to a height of fifty feet and expecting that to hold wire up as well. I remember that week-end well, because the antennas went up with no problems and lasted for quite a long time. It worked so well, that those of you who were at my house by Campbell Lake saw the same kind of wire support there. I had the wood tower at that QTH through wind and ice storms and never had to worry about it. Anyway, I was amazed at how much wire we put up on the school antenna. Home radios didn't require that much wire and they worked fine. I was duly impressed with the results of that antenna party. We heard and worked many foreign stations. Times have changed, and so have our radios. But I'll never forget what I learned to love as a teenager, before girls and cars. Amateur radio still remains my first love. It was quite a while before I got licensed, but those are other stories.

Until next month, when we will visit **"Elmer's mysterious shack!"**, 73

Frank's reminiscences will appear here each month. I can say this safely because he handed me 13 articles after I beat up the membership last month. Ask and ye shall receive... Don't miss the one in the April issue! Also look for articles on KL7GQ's TU unit, a simple sailboat whip for 20 meters, KL7LO's account of his first Novice exam as examiner (rated PG to R), KL7AWK's theory of code study, AL7DL's suggestions on what to do with a cold handie-talkie, and much more. Keep them cards and articles coming.

Propagation from the President ...

1983 promises to be a year of growth for the AARC. Activities have expanded steadily over the years. The membership has grown as well and has continued to support the activities. Recently we have added several races and walks to the community activities which we assist. This year we are adding the IditaSki and Senior National ski events. This seems like an awful lot of activities for a club and not so many months ago we would not have been able to support it all. But now we can and the members who participate find many rewards. We're growing. We're growing as a club and as members, hams and citizens. There are many ways in which we may grow as hams. I'd like to suggest a few for your consideration. If you've already done them all then you don't need any help with growth; you are probably already using all the ideas below.

The AARC is constantly building repeaters. This year we will add a 220 Mhz machine. Here is an opportunity to experiment with an entirely new propagation system, support a band which deserves more activity, and expand your capabilities. The new controller on 34/94 should be on the air shortly after this newsletter. It will be an exciting toy to play with. In addition it will provide several very useful services and will teach the serious user a lot about modern computer based systems. The new Fairbanks link has been a long time in the making but will be even better than originally planned. In the mean time, have you worked Fairbanks through the Lake Manchumina machine? It may require a beam and some power but will vastly increase your 2 meter horizons.

Beyond that, how about 2 meter ssb and amateur satellite? Mode J is not really very hard to obtain and there are several active users in town who have offered assistance. This is the way of the future and, with the decline in the sun spots coming shortly, it can provide a lot of excitement when the bands are "dead." Then there is radio teletype. Still a superior mode for traffic, it is enjoying a rapid growth recently. Today TTY machines are cheap and sometimes even free. A simple Terminal Unit will put any station on the air with RTTY.

At the January club meeting we discovered that over half the members present were using computers. With the prices at a low ebb and a multitude of knowledge and resources available, home computers are in reach of nearly all hams. If you don't have one, try one. Learn how to program basic and operate a computer. There are enough of them around that you probably don't need to buy your own. But beware, you're apt to get hooked. If you already have a computer, have you built computer logging and QSL functions, satellite tracking, propagation forecasting and ASCII communications. If you have a computer, you don't need a green machine for RTTY. The radio-computer interface is cheap, simple and fun.

About building. If you haven't gotten into it you're missing a real opportunity and pleasure. Start easy and plan carefully. The really great stations all have a great amount of customizing behind them. From rotor controls to computer controllers you have to build or rebuild them to get the most out of them. If you don't have the knowledge to build, use an article or book. If you need help, ask for it. A few projects down the road you'll have the knowledge.

Back to activities. They are immediately available, free or nearly so, fun, and rewarding. They are also enjoyed by a minority of the members. If you don't like races or messages, try helping out on the club construction projects. We're always looking for help. Take on a club job or office. It's work, true, but rewarding and you'll grow in unexpected ways.

And finally, have you considered the ARRL? It's the most significant organization in all of amateur radio, bar none. Last year we added WARC bands and improved RFI regulation largely through efforts organized and supported by the ARRL. Ham radio benefits greatly from the ARRL and so does an affiliated club. The AARC has enjoyed ARRL affiliation for many years. But with the recent rapid growth of new hams to the membership the proportion of ARRL members in the AARC is declining. This hurts. Especially when you consider how much ARRL membership can help each member. QST alone is a bargain. Compare the size, content, and price with other popular ham magazines. It will help with all of the above mentioned areas of growth. It has something for the operator, contester, public service supporter, dxer, builder, designer, tester, and computerizer. If you fit more than one category its benefit can be dramatic. And then there are the membership services like the outgoing QSL bureau, (which no Alaskan ham should be without), operating aids, training department, and programs like legal defense, the National Traffic System and the Amateur Radio Emergency Service.

In 1983 the AARC will be growing. Join in and be a part of the growth. You deserve the benefits and the club is working hard to provide them. And so is the ARRL. Help all three. Join up, line up and grow up with us in 1983.

73,
Bob
AL7AW

NO SAFETY FOR KL7LO ON IDITAROD TRAIL

"Into each life a little rain must fall", and David Epstein KL7LO is experiencing a minor thunderstorm. David was anticipating a return to Safety Roadhouse -- the Safety Roadhouse of the reindeer stew and the beer and the dancing girls and... well, never mind. Fate dashed David's hopes last week when the famed roadhouse burned down. No word yet where the last checkpoint before Nome will be moved, but it is doubtful that the replacement can equal the heady atmosphere of the Safety Roadhouse.

The 1983 Iditarod has a record 74 mushers entered, as well as a record number of women mushers and a record number of rookies. The Iditarod Committee has decided to start this year's race on Fourth Avenue in Anchorage and run the dog teams as far as Eagle River, where mushers will truck their dogs to Settler's Bay for the Restart. The last race run this way was back in 1979 (I think). This means that we will also need hams to cover the trail from Anchorage to Eagle River on Saturday, March 5, so volunteer if you're interested.

Wilse KL7CQ informs me that Ham HQ will be at the CAP building on Elmendorf. You will be able to sign up at the February and March club meetings for a shift at headquarters.

For Hams going out on the trail: I will be letting you know what dates you will be out on the trail by the middle of February and will also answer any questions you have. If you are unsure what type of antenna you are going to take, check out the article on the "Iditarod Special" in this newsletter. Several people have used this antenna with very good results, and it is easy to make.

73's for now,
Kirsten KL7PQ

KL7IUI Memorial "Iditarod Special"

Well boys and girls... here it is... the moment you've all been waiting for. The unveiling of the Iditarod Special trail antenna and moose garotte. Actually this thing's so simple I'm surprised I was able to put it together.

Here's what you need: 120 feet of wire - #14 will do nicely
15 feet of nylon cord - 1/4 inch
1 barrel-type insulator
4 alligator clips
2 hours (approximately)

The first thing you need to do is belt down a beer or Coke to steel yourself for the monumental task ahead. Then assemble the 20-meter dipole first using the $468/\text{frequency (in MHz)}$ formula to determine the length (in feet). In this case the length of each leg is 16' 6". This distance is measured from the hole (to which each leg is tied) in the center insulator to the end of the wire (including the loop you'll put in the end of each leg). Make sure the loop is secure because there'll be a lot of tension on it. Your 20-meter section is now complete (resonant frequency 14.292). Time for a beer.

Next, take your nylon cord and cut two sections just over 3 feet long each. You need to make them longer than three feet because you'll be looping both ends and the loops must be added to the total length. Tie one end of your cord to the loops you have made in the 20-meter dipole. The other end gets looped and tied to another length of wire. We are now ready to build up the 40-meter section. Make sure your cord length is exactly 3 feet, loop to loop, on each leg of the antenna. To get the 40-meter antenna completed, add 13 feet of wire to each leg. This length again is measured loop to loop. Loop and tie one end through the cord already attached to the 20-meter dipole. Loop the other end of each 13-foot wire. Now prepare the remaining nylon line exactly as you did the first pair, and attach them to the 40-meter sections you have just completed, the same as before. To the free ends of each leg add 24' 6" of wire to each leg and loop the ends. This completes the major portion of the antenna. All you need to do now is attach jumper wires to the outboard ends of the spacers (see diagram) long enough to barely make up the space, attach alligator clips to the free end and there you are. To operate 20 meters (14.292) simply disconnect all clips. To operate on 40 meters (7.250), connect the innermost set of clips and leave the outer clips disconnected. To operate on 75 meters (3.940) connect all the clips. The antenna is designed to be operated from a height of about six feet. You'll need to really cinch up the support halyards to eliminate sag and therefore the loops you make have got to be strong. Also, supporting the center might help. Feed it with RG58 and wrap the whole thing around a coffee can to transport. That's it...and it works. I had great results on 20 meters with the antenna only three feet above the ground. Worked the Papuli Net on 40 meters the same way and S-9 in Juneau, Nome and Fairbanks on 75.

The antenna obviously displays some ground characteristics. The higher it is the happier it is. But keep it at a distance where you can change bands without having to take it down. That's the whole idea. If you want an easy antenna for Iditarod, this is it. It's reliable and very portable. And that's what we need. Due thanks and recognition for this inspirational piece of gear goes to Mike Barbarick KL7IXT.

IDITAROD HAM HEADQUARTERS
HOT FLASH!
(HEREINAFTER REFERRED TO AS "IHHSF")

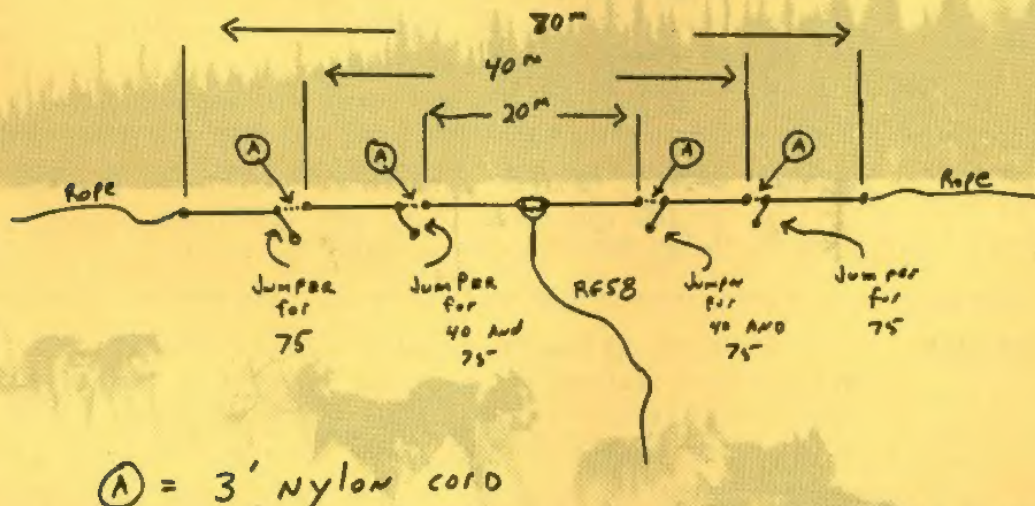
This year's 1,049 mile canine-assisted odyssey will begin on Saturday, March 5. "We" want to make sure "We" are well prepared and all set up to provide our usual mil-spec race communication once the race starts.

We need people. What for, you ask? Well, we need people to help with set-up/tear-down procedures, communications at "HAM HEADQUARTERS" and other spots here in Anchorage, and getting teletype machines up and running. Notice I said "people"; being a licensed amateur is not a pre-requisite, even if you want to key a mike and talk. We will have control operators on hand. Forget that you're shy. Forget that you don't know what to say. Forget that you've never done this before and you don't know what to do and might make a fool of yourself. These are valid feelings, yes, and you're a better person for having gotten in touch with them, but dog gone it, **THIS IS FUN**, and you shouldn't let fun opportunities pass you by! Besides, we've got a job to do and we need good people like you, gentle reader, to get it done.

I'll be honest with you. As I write this, all of the details and requirements of the task have not been completely identified. But they will be by the February club meeting, and it is then that we will provide you with the latest "HOT SKINNY" on what needs to be done, and how many people are needed at what times and where. We will start sign-ups then, and they will remain open at least until the race starts or they get filled up!

So come to the February club meeting for that alone, if nothing else. If you can't make it to the meeting, feel free to call me on the KL7LO 24-HOUR HOTLINE, 276-7432, or Wilse "The Living Legend" Morgan KL7CQ, at 345-1061.

"Iditarod Special" construction diagram



EQUIPMENT FOR SALE

FOR SALE - Kenwood TR-2400 2M handheld with speaker-mic and leather case.
Works great. \$220.00 243-7845 Glenn AL7DN

- FOR SALE -
- 1) Drake Line: R-4B receiver, T-4XB transmitter, AC-4 power supply, MS-4 speaker, manuals, many extra band crystals, many accessories, all for \$500! Matching C-4 station console available (includes wattmeter SWR bridge, Ham-M rotor control, remote antenna switch [with remote unit], phone patch, audio taping control, station equipment switching, clock, timer, station on/off switch, etc.).
 - 2) Hy-Gain TH6DXX 6-element 20-15-10 meter beam with balun & manual. Excellent condition. \$250.
 - 3) ICOM M-12 synthesized Marine band handheld with original packing. Two Nicad battery packs. \$225.
 - 4) Ultimate Transmatch UT-2000A 2KW super transmatch with built-in SWR bridge. \$200.

Call Glenn Johnson WA0PUJ at 243-5205.

- MOVING SALE:
- TenTec Omni D, Digital display, 8 bands, noise blanker. 262MO power supply, crowbar and over-voltage protection. TenTec microphone, TenTec antenna tuner. Heath-Kit SWR meter. With all manuals. \$1300
 - W-51 crank-up tower with Ham-2 rotor, TH-3 Junior, 8 element 2 meter beam, 2 meter 1/4 wave ground plane. 75' of coax with each antenna and 75' of rotor cable. \$1200
 - All of the above -- \$2400.

CALL: Frank KL7IPV 345-5725

For Sale: **KENWOOD** R-1000; DC-1 dc cable kit; additional 4.5 Khz ceramic filter; SP-100 speaker. Excellent condition. \$325.
CALL RICK KL7NM AT 243-2025(H) or 264-6537(W).

POWER FOR SALE! KLM 80 Watt **all-mode** 2 meter linear amplifier. 5 to 15 watts input, automatic carrier detection and change-over, over-temperature sense. Good for Oscar work. \$120 or best offer. Ken WB7SFO 562-2203 (wk) or 243-4624 (hm).

Want ads are placed free of charge to members of the Anchorage Amateur Radio Club, Inc. Phone newsletter editor Ken Slauson WB7SFO at 562-2203(w) or 243-4624(h), or club phone 345-0719 to place an ad. Commercial ads, including ads directly related to a club member's business, are \$5 per quarter page, camera-ready copy only, please. Ads may be mailed to the editor at 2516 West 27th #3, Anchorage AK 99503. Sorry, but the Anchorage Amateur Radio Club newsletter cannot accept political advertising of any nature.

"ARES NEWS AND VIEWS"

By Bryce Rumery AL7DL, Anchorage EC

Another year has come and gone here in Anchorage. As some of you may have noticed, there have been some changes in the ARES/RACES structure in the last few months and there are more coming in 1983.

I was appointed as Anchorage Emergency Coordinator by Bob, AL7AW, who remains as District Emergency Coordinator and RACES officer for Anchorage. "Westlink" is now heard on a regular basis on the Thursday evening net, new check-in procedures have been made on the net, and the "swap net" continues, as usual. An operations staff has been formed. It consists of several assistant ECs who will take an active part in keeping ARES/RACES a vital part of public service in the Anchorage area.

In 1983, we plan to provide ARES members with a training guide. This guide will let the membership know where ARES/RACES stands in the community and what will be expected of the membership during emergencies. The operations staff will be keeping me up to date on the needs of the organizations ARES/RACES serves in Anchorage. We will be holding several ARES/RACES exercises during the year. The regular Thursday evening nets will continue as usual.

I would like to say a few words about the change in the procedure on the ARES/RACES net. We no longer have a roll call of members, but rather ask for check-ins from various areas in the community. We also ask that you check-in in a different manner. We are now asking that stations check-in by saying: "this is (pause and drop your carrier), (your call), (your location), and (your traffic listing). The pause and dropping of your carrier is, very simply, to be sure that you are not doubling with another station while you are checking into the net. (Ed Note: Except of course when you and the other station both say "This is" at the same time, drop your carrier, hear nothing, and carry blithely on top of one another. No matter what procedure is used, you should drop your carrier frequently to allow breaks in this type of operation.) During emergencies, we all tend to have a quick "mic finger". Listening well during emergencies is essential as there is a lot going on all at once and another station may have more pressing business than you do. Your location is very important to both you and the net control. During an emergency, the net control needs to know where you are for possible deployment. It would be rather strange to send a station in South Anchorage to the north part of town to do something when there are several stations in that area that can do the job. Your traffic listing is vital to the net control. Be specific as to what traffic you have. The net control must route the traffic and if you list it incorrectly then there will only be a delay in your traffic getting to its destination. If you have no traffic, then say so.

The whole check-in procedure should go something like this: The net control will ask for specific check-ins. Listen well for his instructions as to what check-ins he wants. When he asks for your check-in then check-in. "This is... (pause and drop your carrier)... AL7DL (use your call, of course), Elmendorf AFB (insert where you are), no traffic (or make your traffic listing). You would be surprised how well this check-in procedure will work in an emergency. You give the basic information that the net control needs right away and saves valuable time during the emergency.

I hope to make this a regular feature in the newsletter, keeping ARES/RACES members up-to-date on what's happening in the community and where we fit into the "Big Picture".

73 for now and see you on the net. Bryce, AL7DL

ANCHORAGE AMATEUR RADIO CLUB, INC.Post Office Box 101987

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NAME _____ CALL SIGN _____
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PHONE: HOME _____ WORK OR BUSINESS _____ ARRL MEMBER? YES _____ NO _____
YOUR STATION CAPABILITIES: HF _____ VHF _____ UHF _____ MOBILE HF _____ MOBILE VHF _____ AMSAT/OSCAR _____
RTTY _____ OTHER: _____
Do you have other special interests in amateur radio? MICROPROCESSOR/DIGITAL _____
TRANSMITTER HUNTS _____ FIELD DAY _____ FLEA MARKET _____ IDITAROD _____ TRAFFIC _____ OTHER _____

Note: Membership period is from January to January, the grace date being the first regular meeting in February. Dues shall be prorated on a quarterly basis to new members.

DUES: \$8.00 per single member
\$10.00 member and spouse
\$5.00 full-time student
\$100.00 Life Membership

Anchorage Amateur Radio Club, Inc.
P. O. Box 1987
Anchorage, AK 99510

We will be printing the new club roster soon, so make sure April AL7CV has your correct information, including new phone numbers for those lucky ATU subscribers. You may give her this information on the club phone (unchanged so far), by filling out this form and mailing or bringing it to the next meeting, or some less formal way, but please give it to her. Her new Extra Class privileges do not include the telepathy bands. If you did not pay your dues for 1983, you are overdue and should settle up soon. I'd hate to have you miss an issue of our fabulous prose due to such an oversight. Also, if you belong to ARRL or MARA, it's dues time for them too.

FCC's Phone Number and Address Change Too

Effective February 5: PO Box 102955, Anchorage AK 99510.
Anchorage Office: 563-3899
Recorded Information: 561-1550